

customer	
pcb name	
WE article number	
engineer	
date	



Multilayer 4 Layers

PCB Thickness : 1,06 mm +/- 10%

Rigid area Structure	Rigid area Thickness	Material description	Via types	Layer usage	Impedance	
					Er	Z[Ohm] Line / Space
Soldermask	15					
L1	45	* Incl. Plating	Top-Layer			
	230	FR4 TG 135			3,9	
L2	35					
	410	FR4 TG 135			4,3	
L3	35					
	230	FR4 TG 135			3,9	
L4	45	* Incl. Plating	Bottom-Layer			
Soldermask	15					

Notes:

50 % copper occupancy IL

final copper thickness according to IPC 6012

Dielectric material according IPC-4101 E / 24

For Microvia technology please use our HDI stackups

Revision: Created: W. Brylka / Scrutinised: A. Schilpp / Approved: A.Schilpp

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Via types - Standard and options

Standard Via	Plugged Via (Type III-a)	Filled & Capped Via (IPC Type VII)